Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 21/03/2022

Lab ID	:	**CP-2022-12-06-09**
Customer	:	Assistant Executive Engineer, Project Division, BBMP, Bangalore.
Address	:	Project Division, BBMP, Bangalore.
Project Name	:	Construction and Improvements of Toilets in Ward No.07 Byatarayanapura.
Agency	:	Executive Engineer, KRIDL, Bangalore.
Customer's Reference	:	EE(Project)/YnkZone/WO/89/18-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	23-02-22
Customer ID	:	PCC for Compound wall
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M15 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	21/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC for Compound wall	M15	21/02/2022	21/03/2022	150.30 X 151.61 X 151.58	22786	8.140	414.3	18.2	18.1
2	PCC for Compound wall	M15	21/02/2022	21/03/2022	151.47 X 151.03 X 151.88	22876	8.110	412.7	18.0	
3	PCC for Compound wall	M15	21/02/2022	21/03/2022	149.42 X 151.08 X 151.57	22575	8.225	406.8	18.0	

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT FOR SAND MASONRY MORTARS

Lab ID	:	**CP-2022-12-06-09** **Date: 10-02-22**
Customer	:	Assistant Executive Engineer, Project Division, BBMP, Bangalore.
Address	:	Project Division, BBMP, Bangalore.
Project Name	:	Construction and Improvements of Toilets in Ward No.07 Byatarayanapura.
Agency	:	Executive Engineer, KRIDL, Bangalore.
Customer's Reference	:	EE(Project)/YnkZone/WO/89/18-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	07-02-22
Sample Type	:	Fine Aggregate, M.Sand for Mortar
Reference to BIS codes	:	IS 383 : 2016 (Specification for Coarse and fine Aggregates) IS: 2116-1980 (RA-2007) (Specification for Sand for Masonry Mortars) IS: 2386 :1963(Part - 1, 3) RA2021 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	07-02-22
Total weight taken	:	1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS: 2116-1980 (RA-2007)
1	4.75 mm	0	0	0	100	100
2	2.36 mm	21	21	2.1	97.9	90-100
3	1.18 mm	199	220	22.0	78.0	70-100
4	600 micron	152	372	37.2	62.8	40-100
5	300 micron	132	504	50.4	49.6	5-70
6	150 micron	405	909	90.9	9.1	0-15
7	Pan	91	1000	100.0	0.0	0

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Certificate No.: TC-5548

TEST REPORT FOR SAND MASONRY MORTARS

Lab ID : **CP-2022-12-06-09** **Date: 10-02-22**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	2.78	–
2	Specific Gravity	2.48	–
3	Material finer than 75 micron(%)	11.5	Crushed Fine aggregate Max 15%
4	Compacted Bulk Density (Kg/litre)	1.92	–
5	Loose Bulk Density (Kg/litre)	1.78	–

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TEST REPORT FOR PLASTER SAND

Lab ID	:	**CP-2022-12-06-09** **Date: 26-04-22**
Customer	:	Assistant Executive Engineer, Project Division, BBMP, Bangalore.
Address	:	Project Division, BBMP, Bangalore.
Project Name	:	Construction and Improvements of Toilets in Ward No.07 Byatarayanapura.
Agency	:	Executive Engineer, KRIDL, Bangalore.
Customer's Reference	:	EE(Project)/YnkZone/WO/89/18-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	22-04-22
Sample Type	:	Plaster Sand
Reference to BIS codes	:	IS: 383 : 2016 (Specification for Coarse and fine Aggregates) IS1542:1992 (RA 2019) (Sand for Plaster - Specification) IS: 2386 :1963(Part - 1, 3) RA2021 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	22-04-22
Total weight taken	:	1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 1542:1992
1	10 mm	0	0	0	100	100
2	4.75 mm	12	12	1.2	98.8	95-100
3	2.36 mm	25	37	3.7	96.3	95-100
4	1.18 mm	50	87	8.7	91.3	90-100
5	600 micron	55	142	14.2	85.8	80-100
6	300 micron	344	486	48.6	51.4	20-65
7	150 micron	425	911	91.1	8.9	0-15
8	Pan	89	1000	100	0	---

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TEST REPORT OF FINE AGGREGATE

Lab ID : CP-2022-12-06-09

Date: 26-04-22

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.89	–
2	Specific Gravity	2.54	–
3	Material finer than 75 micron(%)	9.7	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

• The results obtained are satisfactory as per standard requirements.

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07

CEMENT CONCRETE FLOORING TILES

Date: 07-05-22

Lab ID	:	**CP-2022-12-06-09**
Customer	:	Assistant Executive Engineer, Project Division, BBMP, Bangalore.
Address	:	Project Division, BBMP, Bangalore.
Project Name	:	Construction and Improvements of Toilets in Ward No.07 Byatarayanapura.
Agency	:	Executive Engineer, KRIDL, Bangalore.
Customer Reference	:	EE(Project)/YnkZone/WO/89/18-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	02-05-22
Sample Type	:	Pre-Polished Designer Cement Concrete Tiles
Reference to BIS codes	:	IS 1237:2012 (RA 2017)
Date of test	:	02-05-22

1. Water Absorption

Sl.No.	Measured Dimension (mm)			Water Absorption	Average	Requirement as per IS:1237-2012
	L	B	T	(%)	(%)	
1	401	401	25.02	2.44	2.48	The average percentage of water absorption shall not exceed 10.
2	402	402	25.03	2.32		
3	400	401	25.04	2.77		
4	401	402	25.03	2.46		
5	402	401	25.08	2.75		
6	401	402	25.07	2.15		

2.Wet Transverse Strength

Sl.No.	Measured Dimension (mm)			Wet Transverse Strength	Average	Requirement as per IS:1237-2012
	L	B	T	(N/mm^2)	(N/mm^2)	
1	402	403	25.01	8.1	7.8	The average wet transverse strength shall not be less than $3N/mm^2$.
2	401	401	25.03	7.5		
3	402	401	25.04	7.2		
4	401	402	25.02	7.8		
5	400	401	25.01	7.9		
6	402	402	25.03	8.0		

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TEST REPORT OF CERAMIC TILES

Date: 07-05-22

Lab ID	:	**CP-2022-12-06-09**
Customer	:	Assistant Executive Engineer, Project Division, BBMP, Bangalore.
Address	:	Project Division, BBMP, Bangalore.
Project Name	:	Construction and Improvements of Toilets in Ward No.07 Byatarayanapura.
Agency	:	Executive Engineer, KRIDL, Bangalore.
Customer's Reference	:	EE(Project)/YnkZone/WO/89/18-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	02-05-22
Sample Type/ Size	:	Ceramic tiles (300X300)mm
Reference to BIS codes	:	IS 13630 (part 1) : 2019, IS 15622:2018
Date of test	:	02-05-22

MEASUREMENTS OF LENGTH, WIDTH AND THICKNESS

Number Of Specimen	Length measured at position 5mm from the corner		Breadth measured at position 5mm from the corner		Thickness measured at thickest part, 4 diagonal segment			
	1	2	1	2	1	2	3	4
1	300	300	300	300	6.02	6.03	6.04	5.99
2	300	300	300	300	6.01	6.01	6.14	6.15
3	300	300	300	300	6.03	6.07	6.07	6.04
4	300	300	300	300	6.02	6.09	6.02	6.06
5	300	300	300	300	6.004	6.01	6.04	5.98
6	300	300	300	300	6.07	6.08	6.07	6.03
7	300	300	300	300	6.02	6.04	6.15	6.01
8	300	300	300	300	6.08	6.05	5.98	6.09
9	300	300	300	300	6.07	6.04	6.02	6.04
10	300	300	300	300	6.05	6.01	6.04	6.01
Average	**300**		**300**		**6.04**			

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TEST REPORT OF CERAMIC TILES

WATER ABSORPTION

Sl.no	Weight of oven dry sample	Saturated weight of sample	Water absorption by mass	Average value of water absorption
1	1432	1475	3.00	3.24
2	1449	1494	3.11	
3	1444	1498	3.74	
4	1408	1454	3.27	
5	1434	1478	3.07	

MODULUS OF RUPTURE AND BREAKING STRENGTH

Sl.No

Sl.No.	Dimension (mm)			Wet Transverse Strength	Average
	L	B	T	(N/mm^2)	(N/mm^2)
1	300	300	6.01	14.2	14.5
2	300	300	6.05	15.4	
3	300	300	6.05	14.1	
4	300	300	6.07	14.2	
5	300	300	6.02	14.7	

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TEST RESULTS FOR CHAIN LINK FENCING

Lab ID	:	**CP-2022-12-06-09** **Date: 07-05-22**
Customer	:	Assistant Executive Engineer, Project Division, BBMP, Bangalore.
Address	:	Project Division, BBMP, Bangalore.
Project Name	:	Construction and Improvements of Toilets in Ward No.07 Byatarayanapura.
Agency	:	Executive Engineer, KRIDL, Bangalore.
Customer's Reference	:	EE(Project)/YnkZone/WO/89/18-19
Sourse of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	05-05-22
Type of Sample	:	Chain Link Fencing
Reference to BIS codes	:	IS 2062:2011 (RA 2021)
Date of test	:	05-05-22

TESTS RESULT FOR WIRE MESH		
SL.NO	**Description**	**Result**
1	**Average Thickness in mm**	8.02
2	**Dia of linewire in mm**	3.55
3	**Mesh size in mm**	5.02
4	**Nominaldia of meshwire in mm**	2.58
5	**Bend Test**	Satisfactory

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Format No: CP/TF/01

TEST REPORT ON PHYSICAL REQUIREMENTS OF SOLID CONCRETE BLOCKS

Lab ID	:	CP-2022-12-06-09	**Date:** 11-04-22
Customer	:	Assistant Executive Engineer, Project Division, BBMP, Bangalore.	
Address	:	Project Division, BBMP, Bangalore.	
Project Name	:	Construction and Improvements of Toilets in Ward No.07 Byatarayanapura.	
Agency	:	Executive Engineer, KRIDL, Bangalore.	
Customer's Reference	:	EE(Project)/Ynk/Zone/WO/89/18-19	
Source of Sample	:	Sample supplied by Agency	
Sample Condition	:	Satisfactory	
Date of Receipt	:	07-04-22	
Sample Type/Size	:	Solid concrete blocks size (400X200X200)mm	
Reference to BIS codes	:	IS : 2185 (Part 1) : 2005(RA 2020) Concrete Masonry Specification Part 1:Hollow and Solid Concrete Blocks (Dimensions -Annex-B, Clause 9.2 and 10 , Block density Annex -C Clause 9.3 and10, Compressive strength Annex -D Clause 9.4 and 10, Water absorption Annex -E Clause 9.5 and 10)	
Date of test	:	07-04-22	

BLOCK DENSITY:

Sl. No.	Measurement of overall Dimensions of Individual Blocks			Overall Volume of the Block in Cubic Centimetres	Weight of Oven Dried Block in Kilograms to the nearest 10 Gram	Block Density in $Kg/cum*10^3$	Avg. Block Density in (Kg/cum)	As per IS 2185(Part 1) :2005 (RA 2010)
	Length	Breadth	Height					
	mm	mm	mm	(Cm^3)	Kg	Kg/m^3	Kg/m^3	
1	399	202	201	16200	31.34	1934.8	2009.1	Not less than 1800Kg/m^3
2	402	199	200	16000	33.10	2069.1		
3	402	200	199	16000	32.37	2023.3		

WATER ABSORPTION:

Sl. No.	Wet weight after water absorption	Dry weight (Oven dry)	Water Absorption	Avg.Water Absorption	As per IS 2185(Part 1):2005 (RA 2010)
	kg	kg	%	%	
1	33.91	32.59	3.89	4.31	Shall not be more than 10% by mass
2	33.57	32.15	4.25		
3	33.44	31.85	4.78		

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Lab ID : **CP-2022-12-06-09**

Date: 11-04-22

DIMENSION ANALYSIS

Sl.no	Length mm	Breadth mm	Height mm	Requirement as per IS 2185(Part 1):2005
1	400	202	201	
2	403	203	201	
3	404	201	203	
4	399	202	200	
5	404	203	201	
6	401	202	200	
7	404	203	200	
8	401	200	200	
9	399	201	200	
10	402	201	203	
11	400	199	202	
12	402	201	200	
13	401	200	199	
14	399	200	202	
15	403	202	199	
16	404	199	202	
17	401	200	201	
18	399	199	203	
19	403	200	203	
20	402	203	202	
Average of 20	**401**	**201**	**201**	

Length : ± 5mm
Breadth : ± 3mm
Height : ± 3mm

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Lab ID : CP-2022-12-06-09

Date: 11-04-22

COMPRESSIVE STRENGTH:

SL No.	Size of solid block		Area	Failure Load	Compressive strength	Average Compressive strength
	Length	Breadth				
	mm	mm	(mm^2)	(KN)	N/mm^2	(N/mm^2)
1	400	202	80806	431.4	5.3	5.4
2	403	203	81697	429.0	5.3	
3	404	201	81254	420.7	5.2	
4	399	202	80820	448.0	5.5	
5	404	203	81938	442.4	5.4	
6	401	202	80926	463.7	5.7	
7	404	203	81795	415.9	5.1	
8	401	200	80355	426.0	5.3	

As per IS Requirements (Table 2, Clause 5.1, 5.2 and 9.4)

Compressive strength		
Grade	**Minimum average**	**Minimum Individual units.**
C (5.0)	5.00 N/mm^2	4.00 N/mm^2
C (4.0)	4.00 N/mm^2	3.20 N/mm^2

• The Results Obtained are Satisfactory as per Standard Requirements

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Format No: CP/TF/01

TEST REPORT ON PHYSICAL REQUIREMENTS OF SOLID CONCRETE BLOCKS

Date: 11-04-22

Lab ID	:	**CP-2022-12-06-09**
Customer	:	Assistant Executive Engineer, Project Division, BBMP, Bangalore.
Address	:	Project Division, BBMP, Bangalore.
Project Name	:	Construction and Improvements of Toilets in Ward No.07 Byatarayanapura.
Agency	:	Executive Engineer, KRIDL, Bangalore.
Customer's Reference	:	EE(Project)/YnkZone/WO/89/18-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	07-04-22
Sample Type/Size	:	Solid concrete blocks size (400X100X200)mm
Reference to BIS codes	:	IS : 2185 (Part 1) : 2005(RA 2020) Concrete Masonry Specification Part 1:Hollow and Solid Concrete Blocks (Dimensions -Annex-B, Clause 9.2 and 10 . Block density Annex -C Clause 9.3 and10, Compressive strength Annex -D Clause 9.4 and 10, Water absorption Annex -E Clause 9.5 and 10)
Date of test	:	07-04-22

BLOCK DENSITY:

Sl. No.	Measurement of overall Dimensions of Individual Blocks			Overall Volume of the Block in Cubic Centimetres	Weight of Oven Dried Block in Kilograms to the nearest 10 Gram	Block Density in Kg/cum*10^6	Avg.Block Density in (Kg/cum)	As per IS 2185(Part 1) :2005 (RA 2010)
	Length	Breadth	Height					
	mm	mm	mm	(Cm^3)	Kg	Kg/m^3	Kg/m^3	
1	404	101	202	8242	16.43	1993.6	2163.3	Not less than 1800Kg/m^3
2	399	99	198	7821	17.94	2294.4		
3	401	98	200	7860	17.31	2201.9		

WATER ABSORPTION:

Sl. No.	Wet weight after water absorption	Dry weight (Oven dry)	Water Absorption	Avg.Water Absorption	As per IS 2185(Part 1):2005 (RA 2010)
	kg	kg	%	%	
1	18.91	18.00	4.85	4.45	Shall not be more than 10% by mass
2	19.57	18.77	4.12		
3	18.94	18.12	4.37		

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Lab ID : **CP-2022-12-06-09**

Date: 11-04-22

DIMENSION ANALYSIS

Sl.no	Length mm	Breadth mm	Height mm	Requirement as per IS 2185(Part 1):2005
1	400	101	202	
2	400	100	202	
3	403	100	200	
4	400	101	199	
5	401	99	200	
6	400	102	203	
7	402	101	200	
8	402	100	202	
9	402	99	201	
10	402	99	199	
11	404	102	200	
12	399	101	201	
13	399	100	202	
14	400	100	200	
15	403	103	200	
16	400	103	202	
17	400	102	202	
18	399	103	201	
19	404	99	202	
20	403	102	200	
Average of 20	**401**	**101**	**201**	

Length : ± 5mm
Breadth : ± 3mm
Height : ± 3mm

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Lab ID : CP-2022-12-06-09

Date: 11-04-22

COMPRESSIVE STRENGTH:

Sl. No.	Size of solid block		Area	Failure Load	Compressive strength	Average Compressive strength
	Length	Breadth				
	mm	mm	(mm^2)	(KN)	N/mm^2	(N/mm^2)
1	400	101	40416	189.1	4.7	4.4
2	400	100	40171	173.1	4.3	
3	403	100	40385	172.2	4.3	
4	400	101	40165	176.7	4.4	
5	401	99	39792	181.9	4.6	
6	400	102	40832	172.2	4.2	
7	402	101	40492	178.4	4.4	
8	402	100	40357	188.0	4.7	

As per IS Requirements (Table 2, Clause 5.1, 5.2 and 9.4)

Compressive strength		
Grade	**Minimum average**	**Minimum Individual units.**
C (5.0)	5.00 N/mm^2	4.00 N/mm^2
C (4.0)	4.00 N/mm^2	3.20 N/mm^2

• The Results Obtained are Satisfactory as per Standard Requirements

Note:

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Certificate No.: TC-5548

d No:07

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 10/03/2022

Lab ID	:	**CP-2022-12-06-09**
Customer	:	Assistant Executive Engineer, Project Division, BBMP, Bangalore.
Address	:	Project Division, BBMP, Bangalore.
Project Name	:	Construction and Improvements of Toilets in Ward No.07 Byatarayanapura.
Agency	:	Executive Engineer, KRIDL, Bangalore.
Customer's Reference	:	EE(Project)/YnkZone/WO/89/18-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	05-03-22
Customer ID	:	Footings Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	10/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Footings Concrete	M25	03/03/2022	10/03/2022	151.74 X 150.99 X 151.08	22912	9.005	493.3	21.5	21.8
2	Footings Concrete	M25	03/03/2022	10/03/2022	149.35 X 151.51 X 149.94	22629	8.812	504.1	22.3	
3	Footings Concrete	M25	03/03/2022	10/03/2022	150.90 X 150.63 X 150.53	22730	8.627	488.5	21.5	

* The results obtained are satisfactory as per standard requirements.

Note:

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 31/03/2022

Lab ID	:	**CP-2022-12-06-09**
Customer	:	Assistant Executive Engineer, Project Division, BBMP, Bangalore.
Address	:	Project Division, BBMP, Bangalore.
Project Name	:	Construction and Improvements of Toilets in Ward No.07 Byatarayanapura.
Agency	:	Executive Engineer, KRIDL, Bangalore.
Customer's Reference	:	EE(Project)/YnkZone/WO/89/18-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	05-03-22
Customer ID	:	Footings Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	31/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Footings Concrete	M25	03/03/2022	31/03/2022	150.17 X 149.83 X 151.73	22499	8.797	651.1	28.9	28.7
2	Footings Concrete	M25	03/03/2022	31/03/2022	149.54 X 151.01 X 151.27	22582	8.337	642.7	28.5	
3	Footings Concrete	M25	03/03/2022	31/03/2022	149.61 X 150.20 X 149.88	22471	8.635	642.0	28.6	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2022-12-06-09**
Customer	:	Assistant Executive Engineer, Project Division, BBMP, Bangalore.
Address	:	Project Division, BBMP, Bangalore.
Project Name	:	Construction and Improvements of Toilets in Ward No.07 Byatarayanapura.
Agency	:	Executive Engineer, KRIDL, Bangalore.
Customer's Reference	:	EE(Project)/YnkZone/WO/89/18-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	10-03-22
Customer ID	:	Column up to plinth beam
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date: 15/03/2022

Date of test : 15/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Column up to plinth beam	M25	08/03/2022	15/03/2022	150.55 X 151.99 X 150.54	22882	8.184	492.2	21.5	21.9
2	Column up to plinth beam	M25	08/03/2022	15/03/2022	149.02 X 150.08 X 149.73	22366	8.269	507.7	22.7	
3	Column up to plinth beam	M25	08/03/2022	15/03/2022	150.17 X 151.60 X 150.06	22766	8.604	492.4	21.6	

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Note:

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 05/04/2022

Lab ID	:	**CP-2022-12-06-09**
Customer	:	Assistant Executive Engineer, Project Division, BBMP, Bangalore.
Address	:	Project Division, BBMP, Bangalore.
Project Name	:	Construction and Improvements of Toilets in Ward No.07 Byatarayanapura.
Agency	:	Executive Engineer, KRIDL, Bangalore.
Customer's Reference	:	EE(Project)/YnkZone/WO/89/18-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	10-03-22
Customer ID	:	Column up to plinth beam
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	05/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Column up to plinth beam	M25	08/03/2022	05/04/2022	150.87 X 150.86 X 149.85	22759	8.905	651.6	28.6	28.5
2	Column up to plinth beam	M25	08/03/2022	05/04/2022	150.42 X 149.90 X 151.07	22548	8.662	643.9	28.6	
3	Column up to plinth beam	M25	08/03/2022	05/04/2022	150.23 X 150.87 X 149.20	22665	8.417	643.2	28.4	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 21/03/2022

Lab ID	:	CP-2022-12-06-09
Customer	:	Assistant Executive Engineer, Project Division, BBMP, Bangalore.
Address	:	Project Division, BBMP, Bangalore.
Project Name	:	Construction and Improvements of Toilets in Ward No.07 Byatarayanapura.
Agency	:	Executive Engineer, KRIDL, Bangalore.
Customer's Reference	:	EE(Project)/YnkZone/WO/89/18-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	16-03-22
Customer ID	:	Plinth Beam
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	21/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Plinth Beam	M25	14/03/2022	21/03/2022	151.81 X 151.66 X 150.88	23022	8.500	503.9	21.9	21.7
2	Plinth Beam	M25	14/03/2022	21/03/2022	151.17 X 151.60 X 151.20	22918	8.400	506.7	22.1	
3	Plinth Beam	M25	14/03/2022	21/03/2022	149.73 X 151.34 X 151.40	22659	8.604	478.0	21.1	

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